tomtom

FLEET & LOGISTICS

Powering your fleet management & logistics software with TomTom location technology

If your business has vehicles to monitor, workers on the road to manage, or goods to deliver, then reliable and scalable location technology is key.

From tracking vehicles or assets to getting packages to the right door, TomTom is the number one provider of location technology and mapping data for the Fleet Management and Logistics industry.
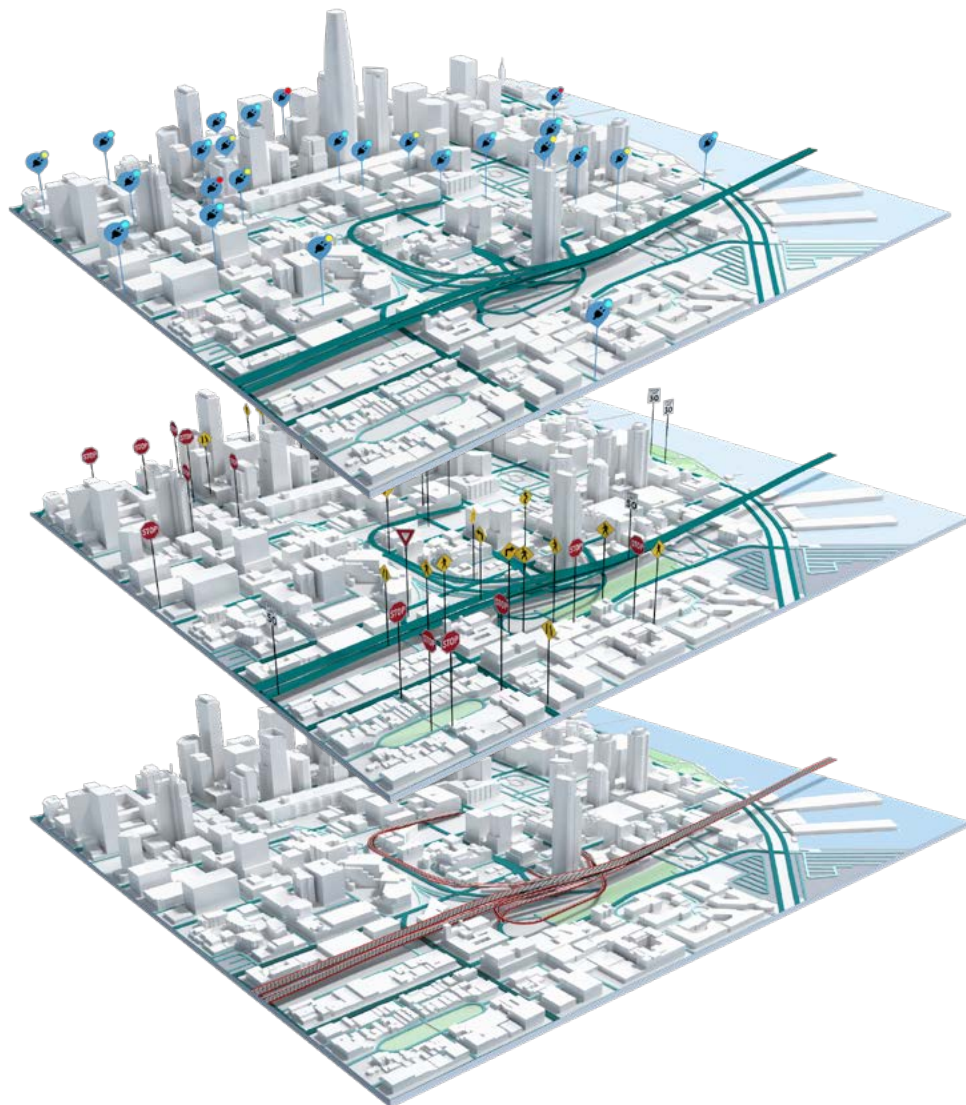
About TomTom

TomTom is the leading independent location technology specialist, shaping mobility with highly accurate maps, navigation software, real-time traffic information and services. To achieve our vision of a safer world, free of congestion and emissions, we create innovative technologies that keep the world moving. By combining our extensive experience with leading business and technology partners, we power connected vehicles, smart mobility and, ultimately, autonomous driving. Headquartered in Amsterdam with offices in 30 countries, TomTom's technologies are trusted by hundreds of millions of people worldwide.

Learn more ❯

Our offering at a glance

The world's largest fleet management and logistics software companies – from Verizon to PTV Group and Webfleet Solutions – use TomTom's location technology to optimize fleet management operations and to help hundreds of thousands of professional drivers navigate effectively and safely on a daily basis. Our mapping data and routing and tracking technology powers leading vehicle routing and scheduling solutions, optimizing hundreds of fleets worldwide and improving logistics operations across the supply chain.

You are in control – integrate our datasets in your own software, use our expertise as hosted API services, or get a mix of both.

Services
APIs & SDKs to integrate in your applications

⊕ **Tracking**	⊚ **Traffic**	⛑ **Software Development Kits**
location history, geofencing, notifications	traffic flow, traffic incidents	iOS, Android™, JavaScript

📖 **Maps**	⚑ **Directions**	⦿ **Places**
map display, custom styles	traffic-enabled routing, route reconstruction, consumption models, matrix routing	search, geocoding, reverse geocoding, points of interest, speed limits

Datasets
Detailed data to use in your own software

📖 **High precision maps for 160+ countries**	⊚ **Traffic data from 600 million connected devices**
road geometry, address data, road attributes, speed signs, points of interest	traffic flow, traffic incidents, predictive traffic, traffic density, traffic analysis

UNDERSTANDING THE LOCATION OF YOUR ASSETS

Use extensive global mapping data to track assets, add context to their location and monitor their behavior. Learn and optimize for the future.

Get a detailed address for any location

Location is more than latitude and longitude.

By adding geographical context to the position of tracked assets, your customer can derive actionable insights.

The TomTom address database enables you to perform reverse geocoding in over 168 countries. Our datasets with over 458 million detailed address points can be used in your own geocoder or as a hosted service with our Search API.

Use TomTom address data to retrieve such address details as:

› Road use & road number
› Side of road
› Postal code
› Speed limit
› Administrative areas
› Mapcode

PRODUCTS

📍 Search API
🗺 Multinet-R map with Address Points

Speed limit	70MPH
Street name	Interstate 5
Municipality	Seattle
Postal code	98125
Country	US

CUSTOMER SPOTLIGHT
Descartes

Descartes has the industry's most comprehensive and advanced solutions for planning and executing routes and managing driver performance. Their cloud-based routing, mobile and telematics solutions span the entire delivery appointment booking, optimized planning, dispatch, tracking, customer notifications and proof-of-delivery process. Integrated telematics and mobile applications help ensure driver safety, vehicle performance and regulatory compliance.

DESCARTES™

Retrace the steps of tracked assets

You know where your tracked assets are, but do you know where they've been? Retrace the steps of tracked vehicles or other assets using our tracking and routing APIs.

Use TomTom's tracking and routing APIs to:

> Safely store the locations of tracked assets in the cloud Use
> the Snap to Road service to translate a series of GPS points into the most likely driven route
> Calculate distance and time
> Calculate fuel or energy consumption for the driven route
> Visualize tracked routes or past locations of your assets on a map

PRODUCTS

⊕ Location History API
⌇ Routing API
▥ Map Display API

CUSTOMER SPOTLIGHT
Webfleet solutions

The number one fleet management company in Europe is using TomTom technology to track hundreds of thousands of vehicles and assets in more than 100 countries.

webfleet
solutions
a Bridgestone company

17:09
Cabrillo Highway & Swanton Road,
Davenport, CA 95017

17:08
Coast Road & Old Coast Road,
Davenport, CA 95017

17:05
Coast Road & Davenport Ave,
Davenport, CA 95017

Detect speed violations

Reckless or inattentive drivers increase operational risk and can lead to costly fines. Detect potential speed violations by using our extensive legal speed limits data.

Use TomTom speed limits as a dataset or via the Search API to:

> Retrieve the legal speed limit on any location point on the road
> Use them in combination with a reconstructed route to detect likely speed violations

PRODUCTS

📍 Search API
📖 Multinet-R map with Verified Speed Limits
📖 Multinet-R map with ADAS Speed Restrictions

Take action based on location

Are tracked assets where they should be?

With our geofencing and tracking technology, alert fleet managers or other stakeholders when a tracked vehicle or asset enters or leaves an area.

Use TomTom geofencing and tracking APIs to:

> Set up and manage hundreds of virtual fences, stored in a secure cloud location
> Set up custom rules per geofence
> Track when a vehicle enters an unsafe and restricted area
> Monitor for theft prevention by knowing when the tracked vehicle or asset leave sites, cities, countries, or deviates from a set route
> Generate custom alerts and send notifications by email, text, or straight to another device as a push notification based on tracked assets' behavior
> Receive arrival notifications when drivers approach their next destination or a customer's location

PRODUCTS

⊕ Geofencing API
⊕ Location History API
⊕ Notifications API

ACCURATE ROUTE PLANNING FOR DELIVERIES

Leverage advanced logistics datasets, detailed address point data and predictive traffic technology to schedule and optimize routes, and reduce operational costs.

Find destinations with doorstep accuracy

Don't let your drivers waste time searching for the destination or the front door at the delivery address. Our geocoding technology leverages global high-quality address data and points of interest (POIs) to get drivers to the right doorstep. Our datasets with over 458 million detailed address points and millions of POIs can be used in your own geocoder or as a hosted service with our Search API.

Use TomTom address and POI data to:

> Easily search and find destinations with doorstep accuracy
> Get structured addresses with entrance points, postal codes, opening hours and more
> Search within millions of POIs, including businesses and petrol stations

PRODUCTS

⦿ **Search API**
🗺 **Multinet-R map with Address Points and Points of Interest**

Main Entrance

126 Main St.,

Pittsburgh, PA

CUSTOMER SPOTLIGHT

SimpliRoute

Efficient delivery routes start with accurate destinations. SimpliRoute uses TomTom to geocode delivery addresses with high accuracy, leading to higher efficiency and customer satisfaction.

SimpliRoute

Calculate accurate travel times to optimize planning

Decrease waiting times at the loading dock and get more done in a day. Our routing technology leverages our expertise in navigation and traffic to provide accurate travel times. Use it to optimize fleet operations. Choose from the Routing API or build your own software using our maps and predictive traffic datasets.

Use TomTom routing technology and traffic data to:

> Calculate routes in the future and get the best time to leave based on historical traffic insights
> Calculate accurate routes and travel times with up to 150 waypoints
> Get precise indications of which parts of the journey are via toll roads
> Calculate dozens of routes simultaneously using batch routing
> Retrieve travel times and distances between multiple locations using matrix routing

PRODUCTS

⇗ Routing API
🌐 Multinet-R map with Speed Profiles

CUSTOMER SPOTLIGHT
PTV

PTV is using TomTom maps, traffic and logistics data to enable smart transport planning and optimize 30 million routes per day.

PTV GROUP

Departure	Delay	Arrive	Travel Time
15:00	43 min 38 sec	19:12	4 hr 12 min 44 sec
15:30	41 min 29 sec	19:38	4 hr 8 min 45 sec
16:00	39 min 2 sec	20:05	4 hr 5 min 16 sec
16:30	37 min 4 sec	20:31	4 hr 1 min 14 sec
17:00	32 min 47 sec	20:56	3 hr 56 min 47 sec
17:30	27 min 26 sec	21:21	3 hr 51 min 36 sec
18:00	21 min 51 sec	21:46	3 hr 46 min 1 sec
18:30	16 min 45 sec	22:10	3 hr 40 min 55 sec
19:00	12 min 37 sec	22:36	3 hr 36 min 47 sec
19:30	9 min 28 sec	23:03	3 hr 33 min 38 sec

Plan safe & compliant routes for trucks

Routing a truck is not like routing a car.

With TomTom you can calculate routes tailored for the type, dimensions and cargo of the vehicle, ensuring efficient, safe and compliant operations.

Use TomTom logistics datasets or the Routing API to calculate routes adapted for heavy trucks and commercial vans, taking into consideration:

> Height, weight, and width restrictions
> Local regulations
> Dangerous cargo restrictions
> Truck-preferred routes

Our unique truck routing algorithms are designed to:

> Avoid complex maneuvers
> Avoid difficult roads (unpaved roads, bridges)

PRODUCTS

⚑ Routing API
📖 Multinet-R Map with Logistics data

CUSTOMER SPOTLIGHT
Sygic

Sygic offers a professional navigation solution for fleets, backed by TomTom's map data, logistics datasets and traffic services.

Truck

height: **4.6 m**
length: **19 m**
width: **2.5 m**
weight: **8000 kg**

Monitor traffic conditions

Always plan for possible changes.

With live traffic data from 600 million connected devices, TomTom provides APIs to monitor. Knowing traffic enables a quick reaction to disruptions, effective and timely re-routing and ability to communicate potential changes to the schedule on time.

Use award-winning TomTom traffic data to:

> Guide drivers around traffic jams, road closures and other incidents based on real-time traffic insights
> Power your routing software and get more accurate ETAs
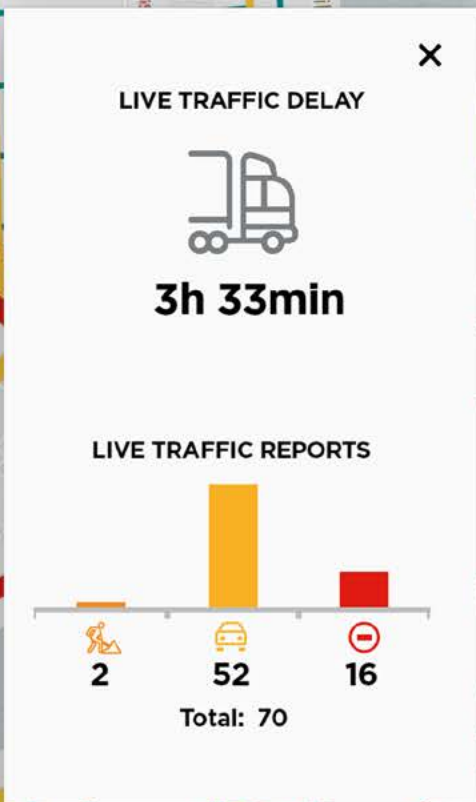> Calculate routes in the future and determine the best time to start driving based on predictive traffic insights

PRODUCTS

Traffic API - Incidents and Traffic Flow
Intermediate Traffic
Route Monitoring

CUSTOMER SPOTLIGHT
Simacan

The Simacan Control Tower enables customers to monitor and control their transport operations. Thanks to TomTom Traffic, logistics managers can analyze the impact of traffic on their operations, find workarounds to reduce wasted hours, and adjust ETAs in real time to keep customers satisfied.

simacan

Calculate & optimize fuel consumption

Fuel is a major component of transportation costs. TomTom can help estimate fuel consumption and even reduce it with our unique eco-routing algorithm.

Our Routing API enables you to choose an eco-route type to:

> Calculate routes that save up to 15% of energy on a trip, reducing CO2 emissions and fuel expenses
> Visualize the reachable range for a vehicle given a fuel, battery, or time budget
> Calculate the fuel required for a route, taking into account the vehicle and route characteristics
> Detect fuel fraud by comparing estimated fuel consumption to actuals
> Find petrol stations with relevant fuel types and compatible EV charging stations with real-time availability

PRODUCTS

↯ Routing API
↯ Search API
↯ EV Charging Stations Availability API

5 REASONS TO USE TOMTOM LOCATION TECHNOLOGY

1 We are location technology specialists.

Location is our one and only business. We've been at it for over 28 years and we're experts in what we do. We know the roads: where to go, and how to get you there.

2 We build with fleets in mind.

With more than two decades of experience serving the fleet management and logistics industry, we have developed unique features tailored for the needs of this segment, such as logistics datasets, truck routing and eco-routing.

3 We're here to support you.

As the main location provider to the largest tech and automotive companies in the world, we are known for our reliability, the quality of our support and our ability to deliver on our commitments.

4 We're a one-stop-shop.

Maps, geocoding, truck attributes, speed limits, APIs, datasets: we have it all. By working with the location technology specialist, you can get everything you need in one place.

5 We're flexible.

Our business models are adapted to yours and so is our technology stack. Use our hosted APIs, add our datasets to your own software, or make it a combination of both.

LOGIBALL

American Digital Cartography inc.

IFS

webfleet solutions
a Bridgestone company

omnitracs

dpd group

CHEETAH Logistics Technology

Sygic

WANKO INFORMATIONSLOGISTIK

SimpliRoute

PTV GROUP

DYNALOGIC PERSONALIZED LOGISTICS

simacan

FAST LEAN SMART. fls

Transics a WABCO company

DESCARTES

Learn more: